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Maintenance

**FOREIGN OBJECT DAMAGE PREVENTION
PROGRAM**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction outlines the procedures and responsibilities for the Foreign Object Damage (FOD) program. It implements AFRD 21-1, *Managing Aerospace Equipment Maintenance*. It establishes a FOD program in accordance with AFRCI 21-101, *Aircraft Maintenance Guidance and Procedures*, and AFI 21-101, *Maintenance Management of Aircraft*, and applies to all personnel whose duties make them accessible to the flightline.

SUMMARY OF REVISIONS

This revision updates the **Attachment 1** to show the current diagram of the flight line and references updated to show AFRCI 21-101 added and AMCI 21-101 deleted. Changes have also been made to paragraph 3.1.2., 5., 7., and 8.1.4. A (I) indicates revisions from the previous edition.

1. Responsibilities. The 434 LG/CC ensures each Grissom ARB organization utilizing the airdrome establishes an effective FOD program and assists in preventing damage to aircraft operating from or transiting this base. Command support and strong supervisory emphasis are vital to ensure compliance with the procedures established by this instruction.

2. Procedures. Personnel will use the following procedures to ensure the establishment of an effective FOD Program:

2.1. The 434 LG/CC designates a FOD Prevention Program Manager. All maintenance, operations, and base support squadrons whose personnel perform duties on or in the area of the Flightline appoint a FOD representative to attend quarterly FOD meetings. Primarily, these squadrons are; DOD/Security police, Transportation, Civil Engineering, Base Operation, Wing Safety, Supply, Maintenance Squadron (MXS), and the Aircraft Generation Squadron (AGS), 434th Operations Group, and the

434th Logistics Group (LGQ, LGL, TA). Squadrons must submit the name and rank of each appointed individual to the FOD Prevention Program Manager (FPPM).

2.2. FOD representatives aggressively maintain the FOD prevention program within their respective organizations.

2.2.1. Ensure training of all personnel and continually briefs on base FOD procedures.

2.2.2. Assign area of responsibility to each participating organization. See **Attachment 1** for assigned areas.

2.2.3. Each organization, identified in **Attachment 1**, conducts and documents their monthly police-up of their identified areas of responsibility.

3. Aircraft Engine Runs.

3.1. Perform all aircraft engine runs above idle on spots designated by the LG/CC. Designated engine run location/s requires coordination with the airfield manager and wing safety.

3.1.1. Accomplish FOD checks prior to and on completion of engine run.

3.1.2. Report FOD discovered on post engine run inspection immediately to the respective expeditor. The expeditor informs the MXS/CC who in turn notifies LG/CC, Quality Assurance (LGQ) office and wing safety of FOD damage.

4. Vehicles Operating on the Flightline.

4.1. Unnecessary flightline vehicle traffic is not authorized.

4.2. Vehicles equipped with magnetic sweeper bars must have accumulated debris cleared from the sweeper bars daily. Use the AF Form 1800, **Operators Inspection Guide and Trouble Report**, to document the checking of the magnetic sweeper bars.

5. Civil Engineering. Pavement and grounds will establish a schedule for ramp sweeping that includes all aircraft parking and taxi areas. When equipment or personnel limitations preclude such coverage, CE notifies MXS/CC, and 434 ARW Command Post, who in turn coordinates with the AGS and airfield manager. Pavement and grounds will forward the established schedule and any changes to the FPPM for inclusion in the quarterly brief.

6. Special Interest.

6.1. Crew Chiefs and specialists are responsible for the ramp area next to their aircraft. Police this area for foreign objects each day and before any engine start or taxi. Direct attention towards rock and concrete pieces out to the taxi line between their aircraft and opposite row. After aircraft taxis out of spot, check area again for loose concrete pieces or foreign objects.

6.1.2. Base Operations personnel check the taxiways and runways daily for foreign objects.

7. FOD Incident Reporting. Report each FOD incident immediately to 434 LG/LGQ, who submits an initial report to the FOD prevention program manager. The FOD prevention program manager investigates the FOD incident to determine the cause and prepares a detailed report for HQ AFRC/LGM and HQ AMC/LGM as outlined in AFI 91-204, *Safety Investigations and Reports*.

8. Base Quarterly FOD Prevention Meeting. A base quarterly FOD prevention meeting, consisting of all unit FOD representatives and chaired by the 434 LG/CC, meets quarterly in conjunction with the quarterly 434 ARW safety meeting. Agenda for the meeting includes a review of:

- 8.1. Grissom ARB FOD incidents.
- 8.2. Crosstell program information.
- 8.3. Any non-reportable DOD damage reported by members.
- 8.4. Sweeper Status/Schedule.
- 8.5. Number of personnel trained in quarter by unit's training program.
- 8.6. Lost tools.

9. Base FOD Data and Tracking. 434 LG/LGQ obtains the work hours and material cost attributed to each FOD incident and reports the cost at each quarterly FOD meeting. They use these reports to track the progress of the FOD program.

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